

*Melanis.*

Sand Park Landfill  
Love's Park, Illinois

Sand Park Landfill is located in Love's Park, approximately 1 mile northeast of the city of Rockford, Illinois in Winnebago County. The landfill is closed and presently used as a public park. The site encompasses 22 acres of the park and is bordered by railroad tracks, a main boulevard and a mixture of residential, commercial and light industrial buildings. There is a community swimming pool adjacent to the landfill hill.

Little is known about the early operating history of this site. Maps indicate the site was used as a sand and gravel pit prior to 1943. The pit was about 20 feet in depth.

From 1943 to present the site has owned and operated by the Love's Park/Rockford Park District. Waste types and amounts accepted at the landfill are not specified although halogenated and nonhalogenated degreasing solvents and plating wastes may be present. Waste was documented on-site as early as 1964. The eastern half of the landfill was operated by Browning-Ferris Industries (BFI) for an unspecified number of years. The landfill was closed in May 1972.

Extensive work has been performed at the landfill. Upgradient, on-site and downgradient monitoring wells were installed by IEPA and E & E-FIT. Both shallow and deep aquifers are monitored. Benzene, chlorobenzene, arsenic, barium and chromium were detected in the downgradient monitoring well. Contaminants are moving in conjunction with the upper aquifer groundwater.

A clay layer formation lies at a depth of about 50 feet and is approximately 20 feet thick. The nearest municipal well, Love's Park Well #2,

EPA Region 5 Records Ctr.



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draws drinking water from the lower aquifer. The lower aquifer has been found clean. The upper and lower aquifers are separated near the site by the above noted clay layer, although well log data further from the site does not indicate a continuous clay layer. Therefore the aquifers cannot be definitely separated. 18 municipal wells are located within a 3-mile radius of the site. These wells draw from the upper glacial drift aquifer and from numerous bedrock aquifers and serve approximately 30,000 or more people.

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# **SITE CHARACTERISTICS CHECKLIST**

Site Name: SAND PARK LANDFILL  
 Site Location: LOVE'S PARK, ILLINOIS  
 Site Status<sup>1</sup>: SI COMPLETE

EPA Region: IV  
 Outside Continental U.S.? NO  
 Predominant Source Type<sup>2</sup>: LFW

CHARACTERISTIC	YES	NO	COMMENTS ON DATA AVAILABILITY/OTHER EXPLANATORY DISCUSSION
Multiple waste-disposal locations		X	LANDFILL ONLY. APPROXIMATE DEPTH IS 60 FT.
Multiple source types		X	
Available waste quantity information		X	
Underlying karst aquifers		X	SAND & GRAVEL DRIFT AQUIFER AND LIMESTONE DOLOMITE AQUIFERS, NOT A KARST AREA.
Sizable number of nearby private wells	X		18 MUNICIPAL WELLS PLUS PRIVATE WELLS.
Presence of nearby surface waters	X		1.5 MILES DOWNGRADIENT AND DOWNSLOPE TO ROCK RIVER.
Nearby drinking water intakes		X	NO SURFACE WATER INTAKES IN THIS AREA.
Potential surface water recreation targets	X		RECREATIONAL USE OF ROCK RIVER.
Potential human food chain problems		X	NONE KNOWN.
Significant environmental problems	X		GROUND WATER IS CONTAMINATED.
Suspected air contamination problems		X	LANDFILL IS CLOSED & COVERED SINCE 1972.
Adjacent residential and/or school properties	X		COMMUNITY POOL ADJACENT. ALSO RESIDENTIAL HOMES NEAR.
Extensive soil contamination		X	

Key:

<sup>1</sup>For site status:

<sup>2</sup>For predominant source type:

Address the current status of the site within the pre-remedial program (e.g., PA completed, SI completed, SI scheduled)

CA - containers (above-ground)  
 CB - containers (below-ground)  
 LFM - landfill (municipal)  
 LFI - landfill (industrial)  
 LFW - landfill (mixed waste)

CS - contaminated soil  
 MW - mining wastes  
 SI - surface impoundment  
 WP - waste pile  
 OTH - other (please describe)